

Certificate of Analysis



Product Identification

11667500 trans-Cinnamyl-alcohol (3-Phenyl-2-propen-1-ol)

CA 2-Propen-1-ol, 3-phenyl-

IUPAC 3-Phenyl-2-propen-1-ol

Formula C₉H₁₀O

Mol.Weight 134.18

CAS No. 4407-36-7

Expiry Date 03.01.2022

Lot Number 163330

Store at 20 °C ± 4 °C

Please note: The expiry date is valid under recommended storage conditions only.

Toxicological Data



R Code 22-36/38-42

S Code 22-25-41

LD50 (Rats female/male in mg/kg) 2000

Physical Data

Phase depending on storage Vapour pressure N/A at °C

Color yellowish Solubility in water N/A g/l at °C

Melt.Range Boiling Range (lit.)

Analytical Data

Detection: GC/FID

Column: DB-5, 30 m, ID 0.25 mm

Inj.-Vol.: 1.00 µl

Flow: 1.0 ml/min

Ret.-Time: 12.98 min.

Method Details:

Injector: 280° C

Start Temperature: 60° C for 5 min

End Temperature: 280° C for 1 min

Gradient: 15° C/min

Identity: RT, EA, NMR, MS

Comment

Water Content 0.3 % Determined by Karl-Fischer Titration

Det. Purity 96.1 % Tolerance/Uncertainty +/- 1.0 %

The uncertainty/tolerance of this standard is calculated in accordance with the EURACHEM/CITAC Guide - Quantifying Uncertainty in Analytical Measurement - Second Edition. The uncertainty given is the expanded combined uncertainty and represents an estimated standard deviation equal to the positive square root of the total variance of the uncertainty of components. The expanded uncertainty is U which is $Uc(y) \cdot K$, where K is the coverage factor at the 95% confidence level (K=2). The expanded uncertainty is based on the combination of uncertainties associated with each individual operation involved in the preparation of this product.

Certified on 03.01.2018

by M. Beck

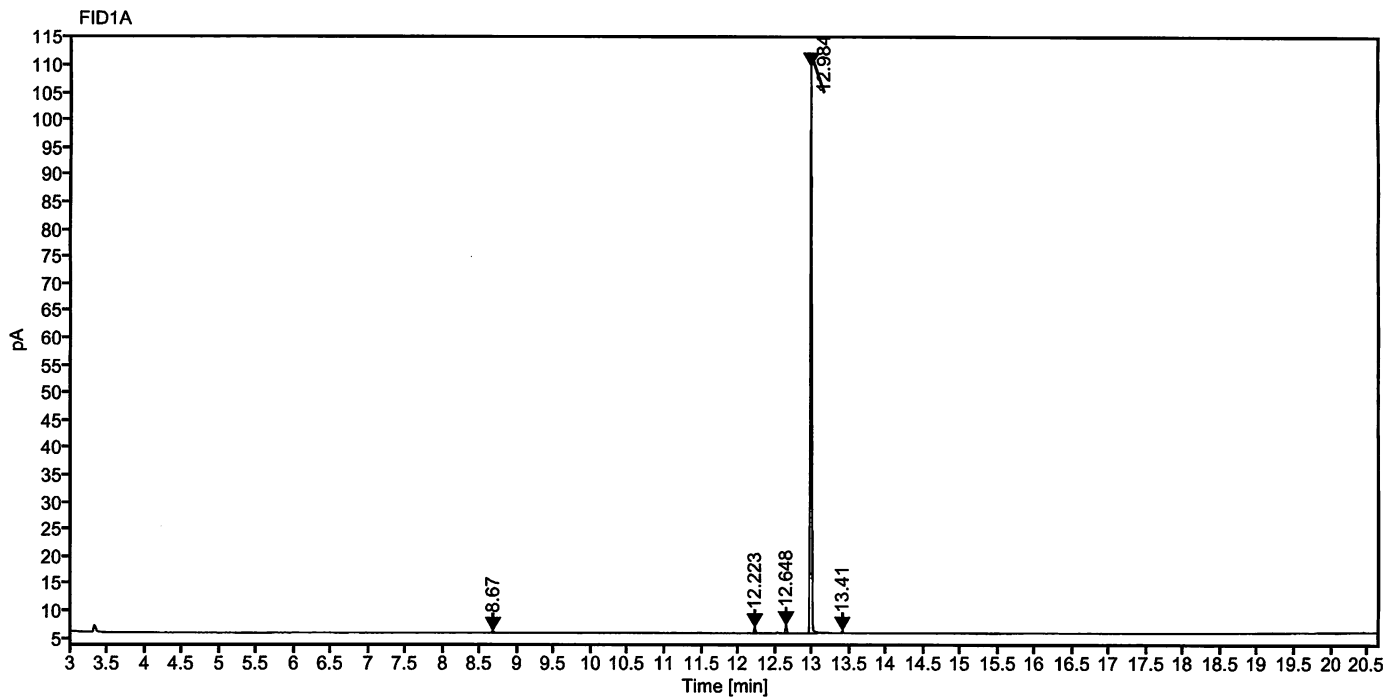
The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances and in form of single and multi-component solutions organic pure substances.

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The warranty for this product is limited to the purchasing price of this product.

21.12.2017

Data file: 11667500-06-r001.dx Instrument: FID 3
Sample name: 71124AL 163330 Sequence Name: 2017KW51-3a
Inj. volume [µl]: 1.0 Injection date: 12/20/2017 6:34:58 PM
Acq. method: pesk.amx Location: 13

Sample Description trans-Cinnamyl-alcohol (3-Phenyl-2-propen-1-ol)



Nr.	RT [min]	Area [pA*s]	Height [pA]	Area%	Width [min]
1	8.67	0.56372	0.34	0.42	0.089
2	12.22	1.65621	1.08	1.25	0.173
3	12.65	1.90933	1.48	1.44	0.107
4	12.98	128.21263	103.86	96.42	0.019
5	13.41	0.63719	0.46	0.48	0.074
	Sum	132.98			

A. D.